

#17 / Raw
Say.***09491063***

1600

RAW SEQUENCE LISTING

DATE: 12/27/2002

PATENT APPLICATION: US/09/491,063A

TIME: 15:03:45

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Input Set : A:\UF-232XC1.ST25.txt

Output Set: N:\CRF4\12272002\I491063A.raw

JAN 06 2003

TECH CENTER 1600/2900

3 <110> APPLICANT: Polston, Jane
 4 Hiebert, Ernest
 5 Abouzeid, Ahmed
 6 Hunter, Wayne
 8 <120> TITLE OF INVENTION: Materials and Methods for Producing Geminivirus Resistant
 Plants
 10 <130> FILE REFERENCE: UF-232XC1
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/491,063A
 C--> 12 <141> CURRENT FILING DATE: 2000-01-25
 12 <150> PRIOR APPLICATION NUMBER: 60/117,151
 13 <151> PRIOR FILING DATE: 1995-01-25
 15 <160> NUMBER OF SEQ ID NOS: 2
 17 <170> SOFTWARE: PatentIn version 3.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 1083
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Tomato mottle geminivirus
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 29 aagaaattca tcaaaatttg cagagagctt catgaaaatg gggaacctca tctccatgtg 180
 31 ctgtgtcagt tcgaaggtaa gtaccaatgc acgaataaca gattcttcga cctgggtctc 240
 33 ccaacccggt cagcacattt ccatccgaat attcagggag ctaaatcgag ctccgacgtc 300
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 39 ggttcggttc aatctgcctt agcggttcta agggagaaga aaccaaaga tttgtatta 480
 41 caaaatcata acatccgctc taacctagaa cgaatattcg caaaggctcc ggaaccgtgg 540
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 65 <211> LENGTH: 361
 66 <212> TYPE: PRT
 67 <213> ORGANISM: Tomato mottle geminivirus
 69 <400> SEQUENCE: 2
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ENTERED

72 1

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79 Gln Asn Leu Asn Thr Pro Val Asn Lys Lys Phe Ile Lys Ile Cys Arg
80          35          40          45
83 Glu Leu His Glu Asn Gly Glu Pro His Leu His Val Leu Val Gln Phe
84          50          55          60
87 Glu Gly Lys Tyr Gln Cys Thr Asn Asn Arg Phe Phe Asp Leu Val Ser
88 65          70          75          80
91 Pro Thr Arg Ser Ala His Phe His Pro Asn Ile Gln Gly Ala Lys Ser
92          85          90          95
95 Ser Ser Asp Val Lys Ser Tyr Ile Asp Lys Asp Gly Asp Thr Ile Glu
96          100          105          110
99 Trp Gly Asp Phe Gln Ile Asp Gly Arg Ser Ala Arg Gly Gly Gln Gln
100          115          120          125
103 Ser Ala Asn Asp Ser Tyr Ala Lys Ala Leu Asn Ala Gly Ser Val Gln
104          130          135          140
107 Ser Ala Leu Ala Val Leu Arg Glu Glu Gln Pro Lys Asp Phe Val Leu
108 145          150          155          160
111 Gln Asn His Asn Ile Arg Ser Asn Leu Glu Arg Ile Phe Ala Lys Ala
112          165          170          175
115 Pro Glu Pro Trp Val Pro Pro Phe Gln Val Ser Ser Phe Thr Asn Val
116          180          185          190
119 Pro Asp Glu Met Gln Glu Trp Ala Asp Asn Tyr Phe Gly Thr Gly Asp
120          195          200          205
123 Ala Ala Pro Pro Asp Arg Pro Val Ser Ile Ile Val Glu Gly Asp Ser
124          210          215          220
127 Arg Thr Gly Lys Thr Met Trp Ala Arg Ala Leu Gly Pro His Asn Tyr
128 225          230          235          240
131 Leu Ser Gly His Leu Asp Phe Asn Gly Arg Val Phe Ser Asn Asp Val
132          245          250          255
135 Gln Tyr Asn Val Ile Asp Asp Ile Ala Pro His Tyr Leu Lys Leu Lys
136          260          265          270
139 His Trp Lys Glu Leu Leu Gly Ala Gln Lys Asp Trp Gln Ser Asn Cys
140          275          280          285
143 Lys Tyr Gly Lys Pro Val Gln Ile Lys Gly Gly Ile Pro Ala Ile Val
144          290          295          300
147 Leu Cys Asn Pro Gly Glu Gly Ala Ser Tyr Lys Glu Phe Leu Asp Lys
148 305          310          315          320
151 Ala Glu Asn Thr Gly Leu Lys Asn Trp Thr Ile Lys Asn Ala Ile Phe
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155 Ile Thr Leu Thr Ala Pro Leu Tyr Gln Glu Ser Thr Gln Ala Ser Gln
156          340          345          350
159 Glu Thr Gly Asn Gln Lys Ala Gln Gly
160          355          360

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VERIFICATION SUMMARY

DATE: 12/27/2002

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TIME: 15:03:46

Input Set : A:\UF-232XC1.ST25.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date